

Appl. No. : Unknown  
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### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of operating a network entity (MHA) at an intermediate node between a mobile node (MN) in a foreign network (FN) and a correspondent node (CN), the method comprising sending (2b; 3b; 5b; 5d) a packet, addressed to the correspondent node (CN), from the network entity (MHA).

2. (Currently Amended) The method of claim 1, wherein the packet is a binding update (2b; 3b; 5b).

3. (Currently Amended) The method of claim 2, including further comprising allocating to the mobile node (MN) a care-of address (SCoA) within the foreign network (FN), wherein the binding update (2b; 3b; 5b) indicates comprises an indication of the care-of address (SCoA).

4. (Currently Amended) The method of claim 3, wherein the network entity (MHA) subsequently receives 2e; 3e, in a session between the correspondent node (CN) and the mobile node (MN), one or more session packets with the correspondent node address (CNAddr) as the source address and the care-of address (SCoA) as the destination address, and forwards (2d; 3d) the session packets to the mobile node (MN).

5. (Currently Amended) The method of claim 4, wherein the session packets are tunnelled (2e) from the correspondent node (CN) to the network entity (MHA) and decapsulated prior to being forwarding (2d) to the mobile node (MN).

6. (Currently Amended) The method of claim 4, wherein the network entity (MHA) translates the destination address of the session packets to a home address (HAddr) of the mobile node (MN) prior to forwarding (3d) the session packets to the mobile node (MN).

7. (Currently Amended) The method of claim 2 or claim 3, wherein the network entity (MHA) subsequently sends (5d), in a session between the mobile node (MN) and the correspondent node (CN), one or more session packets in a tunnel from the network entity (MHA) to the correspondent node (CN), with the care-of address (SCoA) as the source address and the correspondent node address (CNAddr) as the destination address.

8. (Currently Amended) The method of claim 7, wherein the tunnelled session packets have a home address (HAddr) of the mobile node (MN) as an inner source address.

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9. (Currently Amended) The method of claim 1, wherein the packet is a session packet (~~5d~~) in a session between the mobile node (~~MN~~) and the correspondent node (~~CN~~).

10. (Currently Amended) A method of operating a network entity (~~MHA~~) at an intermediate node between a mobile node (~~MN~~) in a foreign network (~~FN~~) and a correspondent node (~~CN~~), the method comprising receiving (~~2e; 3e~~) from the correspondent node (~~CN~~) a packet addressed to the network entity (~~MHA~~) and having a correspondent node address (~~CNAddr~~) as the source address.

11. (Currently Amended) The method of claim 10, wherein the packet is a session packet in a session between the correspondent node (~~CN~~) and the mobile node (~~MN~~), and the network entity (~~MHA~~) forwards (~~2d; 3d~~) the session packet to the mobile node (~~MN~~).

12. (Currently Amended) The method of claim 11, wherein the session packet is tunnelled (~~2e~~) from the correspondent node (~~CN~~) to the network entity (~~MHA~~) and the network entity (~~MHA~~) decapsulates the session packet prior to forwarding (~~2d~~) the decapsulated session packet to the mobile node (~~MN~~).

13. (Currently Amended) The method of claim 11, wherein the network entity (~~MHA~~) translates the destination address of the session packet to a home address (~~HAddr~~) of the mobile node (~~MN~~) prior to forwarding (~~3d~~) the session packet to the mobile node (~~MN~~).

14. (Currently Amended) A method of operating a network entity (~~MHA~~) at a node of a packet-[ ]switched data network, wherein the network entity (~~MHA~~) acts an intermediate node between a mobile node (~~MN~~) having a care-of address (~~CoA~~) in a foreign network (~~FN~~) and a correspondent node (~~CN~~), the method comprising allocating a secondary care-of address (~~SCoA~~) corresponding uniquely to a home address (~~HAddr~~) of the mobile node (~~MN~~).

15. (Currently Amended) The method of claim 14, including further comprising sending (~~2b; 3b; 5b~~) a binding update indicating the secondary care-of address (~~SCoA~~) to the correspondent node (~~CN~~).

16. (Currently Amended) The method of claim 14, including sending (~~4b~~) a binding update indicating the secondary care-of address (~~SCoA~~) to an HA in an HN of the mobile node (~~MN~~).

17. (Currently Amended) The method of claim 14, including further comprising translating the destination address of one or more session packets, received from the

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correspondent node (~~CN~~) in a session between the correspondent node (~~CN~~) and the mobile node (~~MN~~), from the secondary care-of address (~~SCoA~~) to the home address (~~HAddr~~) prior to forwarding ~~(3d) the one or more session packets~~ to the mobile node (~~MN~~).

18. (Currently Amended) A method according to ~~any preceding claim~~ claim 1, wherein the network entity (~~MHA~~) is located at a gateway to the foreign network (~~FN~~).

19. (Currently Amended) A method according to claim 18, ~~including further comprising~~ configuring the network entity (~~MHA~~) as the default gateway of the mobile node (~~MN~~).

20. (Currently Amended) A method according to ~~any preceding claim, including~~ claim 1, further comprising configuring the network entity (~~MHA~~) as the first hop of the mobile node (~~MN~~).

21. (Currently Amended) A method according to ~~any preceding claim~~ claim 1, wherein the network entity (~~MHA~~) and the mobile node (~~MN~~) are configured to use MIPv6 protocols.

22. (Currently Amended) A computer readable medium comprising instructions which, when executed, cause the method of claim 1 to be performed. ~~computer program arranged to implement a method according to any preceding claim.~~

23. (Currently Amended) A computer readable medium comprising instructions which, when executed, cause the method of claim 10 to be performed. ~~computer program product comprising a computer program according to 22, recorded on a carrier.~~

24. (Currently Amended) ~~Apparatus~~ An apparatus arranged to perform the method of claim 1. ~~any one of claims 1 to 21.~~

25. (New) A computer readable medium comprising instructions which, when executed, cause the method of claim 14 to be performed.